

# PATENT ABSTRACTS OF JAPAN

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## (54) FRAME SYNCHRONIZATION SYSTEM

### (57)Abstract:

PROBLEM TO BE SOLVED: To surely establish synchronization even when pseudo bit pattern that is the same with a frame synchronous bit string continuously exists over many frames in the transmitting channel data.

SOLUTION: One frame of transmitting channel data comprises a frame synchronous bit stream of 8-bits and channel data of scrambled information such as a voice, and the frame synchronous bit stream and a specific bit stream F, e.g. the F and its inverted bit stream - F are alternately arranged in each frame.

When a bit stream F is detected in receiving data, the position of the next frame

synchronous bit stream is specified, the inverted bit stream - F is supervised and when a specific bit stream F and the inverted bit stream - F are continuously detected several times by repeating the operation, synchronization is established.

